

PC9477BSEQ LISTING.APP.txt
SEQUENCE LISTING

<110> Lanfear, Jeremy
Robas, Nicola M.

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 50 55 60
 Glu Asp Glu Ser Ala Pro Lys Glu Val Ser Arg Tyr Gln Asp Thr Asn
 65 70 75 80
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 Asp Thr Gly Gly Asp Asn Gln Leu Leu Leu Tyr Glu Leu Ser Ser Ile
 100 105 110
 Ile Lys Ile Ala Thr Lys Ala Asp Gly Phe Ala Leu Tyr Phe Leu Gly
 115 120 125
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 145 150 155 160
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 165 170 175
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 180 185 190
 Thr Arg Ile Gln Ser Val Leu Cys Leu Pro Ile Val Thr Ala Ile Gly
 195 200 205
 Asp Leu Ile Gly Ile Leu Glu Leu Tyr Arg His Trp Gly Lys Glu Ala
 210 215 220
 Phe Cys Leu Ser His Gln Glu Val Ala Thr Ala Asn Leu Ala Trp Ala
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245

250

255

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 Lys Asn Lys Glu Leu Tyr Ser Asp Leu Phe Asp Ile Gly Glu Glu Lys
 305 310 315 320
 Glu Gly Lys Pro Val Phe Lys Lys Thr Lys Glu Ile Arg Phe Ser Ile
 325 330 335
 Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr Gly Glu Val Leu Asn
 340 345 350
 Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu Val Asp Leu
 355 360 365
 Tyr Thr Gly Tyr Thr Arg Asn Ile Leu Cys Met Pro Ile Val Ser
 370 375 380
 Arg Gly Ser Val Ile Gly Val Val Gln Met Val Asn Lys Ile Ser Gly
 385 390 395 400
 Ser Ala Phe Ser Lys Thr Asp Glu Asn Asn Phe Lys Met Phe Ala Val
 405 410 415
 Phe Cys Ala Leu Ala Leu His Cys Ala Asn Met Tyr His Arg Ile Arg
 420 425 430
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 450 455 460
 Pro Val Arg Leu Cys Lys Glu Ile Glu Leu Phe His Phe Asp Ile Gly
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 660 665 670
 Cys Asp Leu Cys Ser Val Thr Lys Pro Trp Pro Val Thr Lys Leu Thr
 675 680 685
 Ala Asn Asp Ile Tyr Ala Glu Phe Trp Ala Glu Gly Asp Glu Met Lys
 690 695 700
 Lys Leu Gly Ile Gln Pro Ile Pro Met Met Asp Arg Asp Lys Lys Asp
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 35 40 45
 Ser Val Ser Ala Glu Thr Val Glu Lys Trp Leu Lys Arg Lys Asn Asn
 50 55 60
 Lys Ser Glu Asp Glu Ser Ala Pro Lys Glu Val Ser Arg Tyr Gln Asp
 65 70 75 80
 Thr Asn Met Gln Gly Val Val Tyr Glu Leu Asn Ser Tyr Ile Glu Gln
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 Arg Leu Asp Thr Gly Gly Asp Asn Gln Leu Leu Leu Tyr Glu Leu Ser
 100 105 110
 Ser Ile Ile Lys Ile Ala Thr Lys Ala Asp Gly Phe Ala Leu Tyr Phe
 115 120 125
 Leu Gly Glu Cys Asn Asn Ser Leu Cys Ile Phe Thr Pro Pro Gly Ile
 130 135 140
 Lys Glu Gly Lys Pro Arg Leu Ile Pro Ala Gly Pro Ile Thr Gln Gly
 145 150 155 160
 Thr Thr Val Ser Ala Tyr Val Ala Lys Ser Arg Lys Thr Leu Leu Val
 165 170 175
 Glu Asp Ile Leu Gly Asp Glu Arg Phe Pro Arg Gly Thr Gly Leu Glu
 180 185 190

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195 200 205

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210 215 220

Glu Ala Phe Cys Leu Ser His Gln Glu Val Ala Thr Ala Asn Leu Ala
225 230 235 240

Trp Ala Ser Val Ala Ile His Gln Val Gln Val Cys Arg Gly Leu Ala
245 250 255

Lys Gln Thr Glu Leu Asn Asp Phe Leu Leu Asp Val Ser Lys Thr Tyr
260 265 270

Phe Asp Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His Ile Met Ile
275 280 285

Tyr Ala Lys Asn Leu Val Asn Ala Asp Arg Cys Ala Leu Phe Gln Val
290 295 300

Asp His Lys Asn Lys Glu Leu Tyr Ser Asp Leu Phe Asp Ile Gly Glu
305 310 315 320

Glu Lys Glu Gly Lys Pro Val Phe Lys Lys Thr Lys Glu Ile Arg Phe
325 330 335

Ser Ile Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr Gly Glu Val
340 345 350

Leu Asn Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu Val
355 360 365

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370 375 380

Val Ser Arg Gly Ser Val Ile Gly Val Val Gln Met Val Asn Lys Ile
385 390 395 400

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Ala Val Phe Cys Ala Leu Ala Leu His Cys Ala Asn Met Tyr His Arg
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Tyr His Ser Ile Cys Thr Ser Glu Glu Trp Gln Gly Leu Met Gln Phe
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His Arg Ser Cys Gly Thr Ser Cys Phe Glu Leu Glu Lys Leu Cys Arg
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 625 630 635 640
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 660 665 670
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 675 680 685
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 Glu Ser Gly Thr Arg Ile Gln Ser Val Leu Cys Leu Pro Ile Val Thr
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 Ala Ile Gly Asp Leu Ile Gly Ile Leu Glu Leu Tyr Arg His Trp Asp
 85 90 95
 Lys Glu Ala Phe Cys Leu Ser His Gln Glu Val Ala Thr Ala Asn Leu
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 Ala Lys Gln Thr Glu Leu Asn Asp Phe Leu Leu Asp Val Ser Lys Thr
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 Tyr Phe Asp Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His Ile Ile
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 Val Leu Asn Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu
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 Ser Ala Glu Thr Val Glu Lys Trp Leu Lys Arg Lys Thr Asn Lys Ala
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 Lys Asp Glu Pro Ser Pro Lys Glu Val Ser Arg Tyr Gln Asp Thr Asn
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 Met Gln Gly Val Val Tyr Glu Leu Asn Ser Tyr Ile Glu Gln Arg Leu
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 Asp Thr Gly Gly Asp Asn His Leu Leu Leu Tyr Glu Leu Ser Ser Ile
 100 105 110
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 115 120 125
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 130 135 140
 Gly Gln Pro Arg Leu Ile Pro Ala Gly Pro Ile Thr Gln Gly Thr Thr
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 165 170 175
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 180 185 190
 Thr Arg Ile Gln Ser Val Leu Cys Leu Pro Ile Val Thr Ala Ile Gly
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PC9477BSEQ LISTING.APP.txt
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Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr Gly Glu Val Leu Asn
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Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu Val Asp Leu
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Tyr Thr Gly Tyr Thr Thr Arg Asn Ile Leu Cys Met Pro Ile Val Ser
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Arg Gly Ser Val Ile Gly Val Val Gln Met Val Asn Lys Ile Ser Gly
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Phe Cys Ala Leu Ala Leu His Cys Ala Asn Met Tyr His Arg Ile Arg
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His Ser Glu Cys Ile Tyr Arg Val Thr Met Glu Lys Leu Ser Tyr His
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Pro Ala Arg Ile Cys Arg Asp Ile Glu Leu Phe His Phe Asp Ile Gly
 465 470 475 480

Pro Phe Glu Asn Met Trp Pro Gly Ile Phe Val Tyr Met Ile His Arg
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Ser Cys Gly Thr Ser Cys Phe Glu Leu Glu Lys Leu Cys Arg Phe Ile
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Met Ser Val Lys Lys Asn Tyr Arg Arg Val Pro Tyr His Asn Trp Lys
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His Ala Val Thr Val Ala His Cys Met Tyr Ala Ile Leu Gln Asn Asn
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Asn Gly Leu Phe Thr Asp Leu Glu Arg Lys Gly Leu Leu Ile Ala Cys
 545 550 555 560

Leu Cys His Asp Leu Asp His Arg Gly Phe Ser Asn Ser Tyr Leu Gln
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Lys Phe Asp His Pro Leu Ala Ala Leu Tyr Ser Thr Ser Thr Met Glu
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Gln His His Phe Ser Gln Thr Val Ser Ile Leu Gln Leu Glu Gly His
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PC9477BSEQ LISTING.APP.txt

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 675 680 685
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 690 695 700
 Lys Leu Gly Ile Gln Pro Ile Pro Met Met Asp Arg Asp Lys Arg Asp
 705 710 715 720
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 Cys Tyr Thr Thr Leu Thr Gln Ile Leu Pro Pro Thr Glu Pro Leu Leu
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 35 40 45
 Ser Ala Glu Thr Val Glu Lys Trp Leu Lys Arg Lys Asn Asp Lys Ala
 50 55 60

PC9477BSEQ LISTING.APP.txt

Glu Asp Glu Pro Ser Pro Lys Glu Val Ser Arg Tyr Gln Asp Thr Asn
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 100 105 110
 Ile Arg Ile Ala Thr Lys Ala Asp Gly Phe Ala Leu Tyr Phe Leu Gly
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 Glu Cys Asn Asn Ser Leu Cys Val Phe Thr Pro Pro Gly Met Lys Glu
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Lys Thr Tyr Phe Asp Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His
 35 40 45

Ile Met Ile Tyr Ala Lys Asn Leu Val Asn Ala Asp Arg Cys Ala Leu
 50 55 60

Phe Gln Val Asp His Lys Asn Lys Glu Leu Tyr Ser Asp Leu Phe Asp
 65 70 75 80

Ile Gly Glu Glu Lys Glu Gly Lys Pro Val Phe Lys Lys Thr Lys Glu
 85 90 95

Ile Arg Phe Ser Ile Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr
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Gly Glu Val Leu Asn Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn
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PC9477BSEQ LISTING.APP.txt
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145 150 155 160

Asn Lys Ile Ser Gly Ser Ala Phe Ser Lys Thr Asp Glu Asn Asn Phe
165 170 175

Lys Met